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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/814,752 | 03/23/2001 | Wei-Chih Chen | 022817-00023 | 4220 |

7590 11/04/2003

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| EXAMINER |
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PHU, SANH D

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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2682

DATE MAILED: 11/04/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/814,752

Applicant(s)

CHEN ET AL.

Examiner

Sanh D Phu

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 5 is/are rejected.
- 7) ☒ Claim(s) 3, 4 and 6 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections – 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(a) The invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claim 1, 2 and 5 are rejected under U.S.C. 102 (a) as being anticipated by the prior art, which is admitted by the applicant in the specification.

Regarding to claim 1, see pages 1 and 2 of the specification, the admitted prior art

Discloses a mobile phone having a keypad module and an LCM module, comprising:

a main printed circuit board (see page 1, line 7); a first contact point and first lateral short leg (considered together as first connector) and a second contact point and a second lateral short leg (considered together as

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second connector) being welded respectively onto a first predetermined location and a second predetermined location on the main printed board (see page 2, lines 2-4), a first reference power supply and a second reference power supply being provided respectively to said first connector and said second connector (see page 2, lines 4-6), said main printed circuit board being divided into a first portion corresponding to said keypad module and a second portion corresponding to said LCM module (see page 1, lines 7-8);

a holder, said holder comprising a space accommodating said LCM module, said holder comprising a slit at a predetermined location of said holder (see page 1, lines 15-18); and

a secondary printed circuit board for carrying a plurality of LEDs to provide a back light source (see page 1, lines 18-20), said secondary printed circuit board being disposed within said slit (see page 1, lines 16-18), said secondary printed circuit board comprising a first contact point and a second contact point, wherein said first contact point correspondingly

contacts with said first connector and said second contact point correspondingly contacts with said second connector (see page 1, line 21 to page 2, line 9).

Regarding to claim 2, the admitted prior art discloses that said first connector and said second connector are respectively welded onto said main printed circuit board (see page 2, lines 1-8), which is inherently made by means of a technology.

Regarding to claim 5, the claim is interpreted and rejected for the same reason as set forth in claim 2.

Allowable Subject Matter

3. Claims 3,4 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 3, the prior art of record fails to teach an electro-luminescent sheet to provide another back light source.

Regarding claim 6, the prior art of record fails to teach steps 4 and 5 as claimed.

Conclusion

4. References Jeong (2001/0006380), Hoelen et al (2001/0035853) and Bowen (6,052,606) are additionally cited because they are pertinent to the claimed invention. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D Phu whose telephone number is (703)305-8635. The examiner can normally be reached on 8:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-301-6739. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-8635.

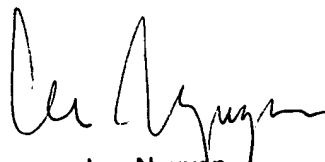
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Sanh D. Phu
Examiner
Art Unit 2682

Sanh D. Phu
10/27/03

SP


Lee Nguyen
Primary Examiner